In the Claims:

Please Amend Claims 1 through 14 as provided below:

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1. (Once Amended) An environment manager providing for the controlled execution of [respective] application programs in respective primary and alternate application execution environments within a computer system operating under the control of an operating system including a primary input queue and a primary output routine, said operating system providing for the management of a graphical user interface in support of the execution of said application programs and wherein said application programs are device independent application programs, said environment manager comprising:

a) an alternate input queue for storing input data for applications executing in the alternate application environment;

b) an alternate output routine for managing the processing of output data provided by applications executing in said alternate application environment; and

c) a control routine coupled to said operating system to selectively provide for the concurrent use of said primary input queue and said primary output routine or of said alternate input queue and said alternate output routine, said control routine further providing for the transfer of the output data processed by said alternate output routine to said primary output routine.

2. (Once Amended) The environment manager of Claim 1 wherein said control routine provides a display buffer area and wherein said alternate output routine provides for the processing of said output data provided by said applications executing in said alternate application environment into said display buffer area.

7. (Once Amended) A computer system providing for the alternate execution of first and second sets of application programs, said computer system comprising:

a) a processor including an input device and an output device;

b) an operating system executable by said processor to support the execution of device independent application programs, said operating system including a graphical user interface manager coupleable through an output driver to said output device and an input interface including an input queue coupleable through an input driver to said input device, said operating system including a first list of a first set of said device independent application programs executable by said processor and a second list of application program windows corresponding to said first set of said device independent application programs; and

c) an environment manager executable by said processor including a third list of a second set of said device independent application programs and a fourth list of application program windows corresponding to said second list of said device independent application programs, execution of said environment manager providing for the inclusion of said environment manager in said first and second sets and for selectively swapping with said operating system said first and third lists and said second and fourth lists to switch between the execution of said first and second sets of said device independent application programs.

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8. (Once Amended) The computer system of Claim 7 wherein said environment manager determines to swap between the execution of said first and second sets of said device independent application programs based upon the relative amount of data in said input queue for said first and second sets of said device independent application programs.

9. (Once Amended) The computer system of Claim 7 or 8 wherein said environment manager determines to provide said operating system with an alternate output driver to couple said operating system to said output device, said alternate output driver providing for the processing of output data provided through the execution of said second set of said device independent application programs.

10. (Once Amended) A method of executing computer application programs in primary and alternate application execution environments in a computer system under the control of an operating system, including a graphical user interface manager, wherein input events are provided through said graphical user interface manager of said [the] operating system to application programs and wherein output events are provided through said graphical user interface manager [to] a display driver, said method comprising the steps of:

a) establishing a primary display driver for receiving and processing output events provided from a first application program executing in a primary application execution environment;

b) establishing an alternate display driver for receiving and processing output events provided from a second application program executing in an alternate application environment;

c) selecting for execution by said computer system, subject to the control of the operating system, a predetermined one of said first and second application programs; and

d) selectively providing an output event to said primary display driver reflecting the output events provided from said application programs executing in said alternate application environment.

11. (Once Amended) The method of Claim 10 wherein input events to said graphical user interface manager [the operating system] include a plurality of types of input events distinguished by source identifying data, said method further comprising the steps of:

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a) receiving a predetermined input event for said second application program;

b) providing for the scheduled execution of said second application program; and

c) providing for the coupling of said alternate display driver to said graphical user interface manager [said operating system] to receive and process output events upon scheduled ~~execution of said second application program.~~

Delete Claims 15 through 20 without prejudice and add new claims 21 through 33 as provided below:

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21. (New) A method of operating a host computer system to enable collaborative use of an application program with a client computer system to provide windowed displays of information reflective of said collaborative use of said application program on respective host and client computer system displays, wherein said application program is executed by the host computer system in conjunction with an operating system and communicates input and output data reflecting the collaborative use of said application program with said client computer system, said method comprising the steps of:

a) maintaining a display data structure in conjunction with said operating system, said display data structure including first data defining a first set of display windows determined through the execution of a shared application program and second data defining a second set of display windows determined through the execution of a non-shared application program;

b) maintaining an event data structure in conjunction with said operating system, said event data structure including third data descriptive of events generated in connection with the execution of said shared application program and fourth data descriptive of events generated in connection with the execution of said non-shared application program;

c) hiding said second and fourth data from said operating system during the execution of said shared application program;

d) hiding said first and third data from said operating system during the execution of said non-shared application program; and

e) switching between the execution of said shared and non-shared application programs based on predetermined criteria to simulate the concurrent execution of said shared and non-shared application programs.

22. (New) The method of Claim 21 further comprising the step of transforming said first data between first and second display coordinate

systems, wherein said second display coordinate system is mapped to within a predetermined one of said second set of display windows.

23. (New) The method of Claim 22 further comprising the steps of:

a) transferring said first data to a predetermined client computer system; and

b) transferring events generated by said predetermined client computer system with respect to said first data to said event data structure as part of said third data.

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24. (New) The method of Claim 23 wherein said step of transferring said first data transfers said as transformed by said step of transforming.

25. (New) The method of Claim 24 wherein said events transferred by said step of transferring events include data reflective of the location within said second display coordinate system at which said events were generated.

26. (New) The method of Claim 25 further comprising the step of associating said events transferred by said step of transferring events with respective application programs of said first set of application programs.

27. (New) A method of managing the execution of application programs in connection with the execution of a multi-tasking operating system by a host computer system, said method comprising the steps of:

a) first providing for the handling of events and the processing of display data for a first class of application programs through the use of a first data structure;

b) second providing for the handling of events and the processing of display data for a second class of application programs through the use of a second data structure;

c) selectively coupling either of said first and second data structures with said multi-tasking operating system in correspondence with the execution of application programs of either said first and second classes of application programs; and

d) managing a collaborative communications session with respect to a client computer system including routing events received from said client computer system to a predetermined one of said first and second data structures and routing display data from said predetermined one of said first and second data structures to said client computer system

whereby the handling of events for collaboratively used application programs is maintained separate from the handling of events for non-collaboratively used application programs.